I read about mice learning things, and comparing different chemicals and drugs on learning, It is possible to make new all positive reinforcement operant conditioning learning behavior standardized measurements with only positive reinforcers; One possibility is lever press food of two flavors, one flavor enhanced, at mice this could be enhanced with standard concentration sweetness and also standard concentration attractive scent (notably there is an opportunity to distinguish between an attractive food scent, and a different scent attractive to mice, possible a component of the naturally occuring scent of other mice), also a nonfood reward could measure completely different cognitive componets and brain functionality as the nonfood areas of the brain are responding, colored lights and a euphoric, rapid

action at humans stimulus, DMSO droplet with cocaine at nude mice could be a 30 second to 3 minute availableized reward at nude mice, or even be active if a mouses nose touches a DMSO-cocaine soaked sponge,  It is even possible that a maze learning test could be used to find out how accurately sought a pathway, as well as how many moments to get to a “cocaine lounge” where cocaine might be administered as variable reinforcement at doses and frequency, or , amount, or as an experimental prequel to the actual thing being tested, that are absent interference with the actual drug or other experimental variable being tested.

Noting that nondrugged, not experimental variable exposed mice, previously trained at finding a cocaine

lounge, as well as experimental variable: drugged mice trained at finding a cocaine lounge, goes with the ability to find the probability and numeric methods numbers on mice that: on starting a cocaine lounge maze that has either a cocaine lounge alerting light or scent, or an initiating flavor food pellet that communicates “this is a cocaine longe maze” then the different variable at experiment drug’s effects could be numerically treated.  The avidity and capability of prequel to experiment cocaine lounge mice which are untreated with the test drug (or other new variable) are numerically characterizeable with the measurment of the avidity and capability measured amounts from similar prequel cocaine lounge experienced mice.

DMSO nose touch pads could work

with rewards other than cocaine;

Although nitrous oxide could be a euphoric stimulus for solving a puzzle, it seems like although fun this ius only slightly motivating at humans and perhaps actively nonmemorable

Beneficial thing:  beauty and other things that are all positive feeling, perception, and thought producing one actual felt, thought, or isness effect, rather than combined effect, “mixed bag”, or a kind of sequence of qualia notes, with some of the qualia notes eliciting anything other than positive feeling, even neutralness.

I view a woman, her curves and face

what I have read is called line are enjoyable to view, the vehicle she got out of elicits concern, that qualia of concern, even though it is beneficial for other humans for me to actualize utilitarian benefit to those that elicit concern, (perhaps a person says “say, you can get a new car for less if you put 1/2 a car value in a high yield, fund with some quantifiable risk, then get a new car every 3 or 7 years when you double your money, at the very harmless risk of driving your current vehicle twice as long, the URL is gettwicethecartwiceasfast.com”) making everything more optimal for everybody, the non-combined positive effect could be specifically created and specifically beneficial.  So a planner could have a woman, and when I view her, her curves and face, and she also radiates well being and radiates opportunity increase to the

viewer that the viewer feels as positive, is a noncombined all positive experieince; The technology is to find and make things that are all positive experience for humans, that is persons, that is people, to experience and have them at the environment such that they occupy the mental and physical niches that previously the combined, but generally positive, or mixed bag, but generally positive, [stimuli, objects, emotion-eliciters, and experienceable processes] previously occupied, thinking gooder thoughts and doing gooder things could be facilitated with accumulations and experiencables of gooder things at the environment; this could even replace the “but” qualifier with the “and” or the “That makes me think of” spontaneous actual mental occurence as well as its use in speech. So having a positive experience

viewing the face curves and line of a woman, “and she looks like she would get along with (person)”, as well as her beauty, noting face and curves and line spontaneously, causes qualia that feel like: connectionizing to Abunchofgoodthings thatmustbeinfocusatthistheplaceandmoment, or the feel of a really optimal lightbulb somewhere illuminating things Also, idea occur pre-words, like really, a person might spontaneously think “girl flavored lightbulb is room composition rebalancing; semiconductors could make every item at an architectural space optimized; the way experiencing this girl optimizes everything, at a noticebaly visual way” and then the person viewing the girl instantly knows a new kind of light bulb that can exist.

with or without verbal internal narrative thinking, causes a qualia )or also perhaps, optionally mental verbal narrative)

Complete novelty and AI generated images, sensations, finding-of-new-online content, as well as a library if things, like images, sounds, virtual reality things. actual haptic actual things, as well as screening a library of images, sounds, and actual things, and actual orchestrated occurences (a compliment on an actual thing an actual person actually does)

Money source that is likely to cause more rapid technological development while also raising energy efficiency of vehicles, reducing accidents, and providing “new thing is enjoyable” feelings:
Timing and planning of getting a new

car for less if you put 1/2 a car value in a high yield, fund with some quantifiable risk, then get a new car every 3 or 7 years when you double your money, at the very harmless risk of driving your current vehicle twice as long, the URL is gettwicethecartwiceasfast.com”; also, the companies that advertise their get a new car faster shares funds could also advertise longevity medicine and technology funds; novel to me is that as 156% or higher combined different greater longevity drugs and technologies could be utilized for

reninded of newtorks, while being reminded of math, while being reminded of equations that

iterators, alorithmicizors, automata, that have highest amount of beneficial distributions of effect produced; if

these are distinguishable beween algorithm hosters, then some have diffrerntiazable product state space amountnessess, math of analog, digital,

is there a mathable area or milieu where if you are not yet having observed it, but have a finite possibility of observing it, that it could exist, even though you do not know what it is yet;

longevity technology: alternate day fasting is published as having the same cardiovascular benefits as calorie restriction https://www.inverse.com/article/58820-how-is-alternate-day-fasting-different-from-caloric-restriction , with 36 hour fasts and 16 hour eating periods causing the benefit; This creates the

possibility of a **number of longevity drugs that are fun to use, possibly nootropic, similar to, or even existing few AMU drugs, and can even be produced with gene therapy**: I like the feeling of being on phenylethylamine for the first 11-14 hours, and it makes it so skipping meals is easy, and I think I have skipped 24 hours of food on it unintentionally.

**Longevity causing volunary svelteness drug that increases creativity, productivity, and likely intelligence: An AM time release dose of phenylethylamine that lasts 14-15 hours until 1 hour before sleep, then 7.5-8 hours of spontaneous sleep**, with the previous phenylethylamine time release dose having another AM, until sleep, all day pulsatile dose at waking

dose could preclude any daytime hunger for both days, and be taken once every 24 hours, the person would then eat a lunch dinner or breakfast every 36 hours: the drug could be fine chronological time release as well as molecularly fine tuned to optimize well being, nootropic, successtropic; phenylethylamine is a euphoric drug that increases my creativity, and I perceive my intelligenece, This molecule, as well as FDA preapproved ADD/ADHD/Narcolespy drugs could also be tested; at phenylethylamine, molecule variations like phenylbutylamine, phenylpropylamine, as well as partially saturated cycles that range between phenyl group and cyclohexane group could be tested. (mice? circadian?)

Deprenyl is a MAO-B inhibitor that causes greater longevity, and makes people more cheerful, taken with phenylethylamine it causes phenylethylamine to last 200-300 minutes longer, notably though, stacked pulsatile 20-40 minute activity periods are possible with phenylethylamine when takeing it without an MAO-B inhibitor:
deprenyl/other MAO-B inhibitor with PEA: 9 hours effortless calorie restriction
PEA only 2 hours, effortless calorie restriction,
PEA only 2 hours, effortless calorie restriction,
Magnesium threonate: Calming nootropic, also a longevizing calming is a possible nootropic

Other molecules that might be fun enough so that people voluntarily take

a longevity wellness svelteness drug: halogenated, ethynylized CART peptides or better than CART stimulant peptides that also have a circadian rhythm release effector (peptide moiety? or, a drug release polymer could get 100 times as diffusive at a .5 degree circadian body warmth shift, like liquid crystal polymers that turn color, or there could be an electret polymer drug that when it changes .05 decrees C or less causes it to furl or unfurl to have different receptor activating charge and changes biological activity a few orders of magnitude (note, depot injection at cool part of body makes it so the part of the body with the widest degrees C spread, ear tips are a possibility) The circardian mechanisms at either the CART peptide (or better) depot or the molecule  the depot actually contains causes the alternate

day caloric restricotion longevity, wellness, fun,
“Better for you than coffee” is a way to communicate the benefits of the fun and productivity part of this longevity wellness, heart disease, cancer preventing drug.

that cause the alternate day fasting calorie restriction like longevity, wellness, body mass enhancement effects could be made into a depot injection or depot implant that lasts over 200 years

depot drugs with multicentury benefits could also have multi hundred times mg/dose effectiveness (nanogram or picogram) effectiveness with drug transport channel optimization, tissue or cyte type localization, Cytes that have just 40, 300, 5000 of some particular

molecular transport channel protein would have hundreds of times greater tissue localization at drugs tyhat have an effect even when absorbed at each cyte’s cytoplasm; alternatively drugs with 40, 300, or 5000 times the activity at efflux cytomembrane although absorbed at the same velocity might be effluxed 5000 times faster causing much less actual active drug molecule residence moments at the cytoplasm.

gene therapy that ups beneficial metabolizing enzymes at the actual cutoplasm, detoxifying things

nucleur membrane efflux, opposite effluxors, also hyperffluxing tRNA, mRNA could have faster transcription

Phytosomes are a word for liposomes around plant products, it is possible

some variety of liposome, like phosphatidylserine as compared with phosphatidylcholine or a different length of alkane the phosphatidyl group has some localization, that variation in brain (and body) localization from plant based lecithin extracts as a delicious coffee replacement drink could keep the part people like and get rid of the agitation that people find objectionable to where I saw writing with line art comics about.  Also, the people that make it can do more than screening a libary of 20 or 40 GRAS phophatidyl amino acid variants of human volunteers, it could look to phosphatidyl liposome making molecules with high lipophilicity, high hydrophilicity, or high at both liophilicities; It is even possible that without caffeine agitation the doses could be higher so people get 200-300

mg of up and prosociality and an absence of agitation; I could mention it to LEF.org, they actually already have a beverage product; Happier, kinder, tremorless, possibly even alert but sleepable 5 hour energy drink, and also organic version.

phosphatidyl 10HDA, screen a library to find a new longevity drug; while this complements liposomes as a technology, it is actually just a fluid that could be taken as a supplement, drug, or as a food additive.

Does piperine attached to the actual molecule cause it to have more blood brain barrier permeation amount, or is is just a coadministration (seperate drug) effect?  Drug localization with piperine distal or branched to the localization moeity and the drug moeity could cause specific neuron

active drugs to have only membrane permeation effects at those particular neurons, causing a heightened dose/mg multiplier, absence of nonfocal tissue permeability effects,

crispr gene drive with a molecular cytotransprt peptide transport peptide transport peptide on it first; does it have 100 to 1000 times greater dose/mg effect from preferential transport to the transfected cytes, that could cause 100 to 1000 times greater vector ability at transfection; also, this could heighten localization at paticular phenotypes as well

network effects at neurons, more ot it than this, but  connections per node, causes variation in distribution of node products, so a stable producte high amplitude first deviation highly beneficial nod product could have its

number of noides as an average, adjusted with genetics as well as gene therapy or even drugs to change the distribution histogram math of the network math, a netowrk where a genetic modification or existing gene variation  causes such things as the not just the median number of interconnected neuron neighbors, but the distribution of neightbor interconnections so High-Medium-High is comparable with medium high medium and others at neurons, also the different effects of different neuron interconnectivity distribution networks is benefically technologyizable,  Noting these networks at just one kind of neuron's kind of beneficial effect getting the amplifaction, compare BDNF

also, network math effects from just 1,2,3, and 30^3 could have much

high amplituded of effects than just changing amount of neurptransmitters, amount of circulating nuerotransmitter effecting drug, and quantification of amount of recptors, this makes neural cyte type localization of network connectivity modifiers have higher bandwidth of discernable effects and higher actusal magnitude (height) of possible effect of modifying neurotransmitters or even neurotransmitter drugs;

During 2019 it is my perception that svelte persons had more spontaneous physical activity than non-svelte persons, so along with the wellness, longevity, healthspan, aesthetic, social factor enhancement heightening from being a svelte person is it also possible the the greater spontaneous movement and willingness to move cause people to

raise their children with more actual active acts, and even a greater quantity of things like hugs and active play, svelteness at parents likely benefits their children.

a researcher found the most similar protein to royalactin in vertebrates/mammals, and called it regina; to make longevity proteins ultraaffordable, could the same homologous gene sequence matching used to find Regina be used to **find royalactin-like proteins as transcribable protein making things at plant genomes?** These could then be grown, purified, and tested as to their longevity effects on mice both as orally ingested proteins and enteric coated high availability, non-digested proteins; Plant sources of 10HDA could also be found this way. Oral ingestion of royal jelly is

published at causing mice to live 25 (27%) longer, so there is a possiblility that even digested homologous sequence to royalactin genes' product could have a longevity effect even with digestion, this would make genetically engineering it into human foods, animal foods, and perhaps all plants with gene drive to benefit humans and other species.

Does royalactin or 10HDA benefit plants in any way, if they do this could be simultaneously beneficial to the plants and the humans to genetically engineer the production of higher amounts of the

network optimization based on math could be used with many worlds interpretion of physics to make whiter branch universes, notably branch universe groupings, and a possibility

of something gooder than a round matrice where any of the combinatorial additives as well as the component portions, which might be particular MWI universes, the content of those universes that create new branches, and, if and where technologically function, those MWI universes that communicate with other MWI universes, the combinatorial, or higher

thinking, feeling, and being white causes more MWI universes from a heightened amount of electron, matter, and possibly modellable effect on things physically at greater than 1 micrometer distance from the thinking feeling organism like the most benevolent human, person, a member of a group of people that is a homo sapiens, notably all living beings with presence of being, isness, that I

perceive some people may be called or related to sentience, having white being, moments of thought and feeling, and actualized white action and behavior and even building cause more MWI universe branches to be generated than from any human thinking or feeling that is not as benevolent, beneficial, simultaneouslu utilitarian

a thing that benefits children:  If, or when, children can choose their own parents, including social companion robots,

are there any cytotransport proteins or membrane channels in the oral or nasal mucosa?  If there is transport of some peptide, protein, or chemical then Snorting or swishing a thing in your mouth could have 10,100,1000 times the delivered chemical, drug, or

gene therapy dose making it possible to skip the GI tract, also I have noticed that some things cause a kind of mouth pucker, suggesting hydrostatic balance can be modified with harmless things people put in their mouth, anbesol penetrates 3-4mm of gum tissue in 14 minutes or so, so if some similar molecule works on cheek epithelia at 2 mm in less than 7 minutes (1 mm a minute) that could be a transported chemical; DMSO or an absorption/transport enhanced version of DMSO is likely to function: it is possible things like diethylsulfoxide or dipropylsulfoxide, or dibranchedlakanesulfoxide could be oil blobs that spill around less, adhere to appliques, while still causing preferential transport of beneficial drugs and chemicals; if the duoalkanesulfoxide has a long enough alkane it is even possible putting a

halogen on it or an ethynyl group could cause some kind of multihundred times increase in transport or physiological activity, so the halogenated ethynylized duoalkanesulfoxide could be chemically linked, possibly with an enzymatically degradeable linker to an active pharmaceutical drug;

Half to 1/4 cent Gene therapy technology: 3 mm paper circles, perhaps $400 for 12 million or 12 billion of them,  each has a flavor attached to a protein, branched protein possible, so the longer it is at saliva the flavor changes through 11 different flavors, at each flavor 19/20ths of the proteins attached to the flavor chemical are at a certain shape, or have had their branches modified to be a certain shape, the paper circle progresses through all 11

flavors and the person can take the paper circle out of their moth at any time, defining and making into a gene therapy effect actualization program specifer, the characteristics of the amino acid, which could be a branched amino acid, then after being rinsed in fresh water, which removes the saliva, the amino acid sequence tells the bacteria that will arise from the bacteria at the paper circle which CRISPR/cas9 sequences to activate at the bacteria, out of the full library of 11 variants at the bacteria; the bacteria have molecular transport channels engineered to preferentially transport the flavor and color that the human, that is person, that is member of a group of people, that is homo sapiens, has preferred, At the bacteria 19/20 (the amino acid fraction) of the first generation of bacteria are gene therapy activated modified to be the

persons preference, at the next bacterial generation, 19/20th of the other 1/20th are modified to be the gene therapy preference, so then 1/400th of the bacteria are different, then at the third generation of bacteria, something near 1/9000th of the bacteria have a gene therapy form different than the person’s flavor and color preference, notably I read bacteria reproduce every 20 minutes, with optimization, and a nutrient environment with things like mitosis stimulants, this could  imaginably be 4-7 minutes, so a 16 minute span of bacterial doubling would cuase 8999 out of each 9000 transfection bacteria to be the preferred gene therapy version;  Notably the person can then place the paper dot on their skin, and then have the paper dot’s bacteria do the gene therapy on the person using their skin, I have read about sugar

micro projection drug delivery and immunization projections, these could cause the bacteria, possibly notably the bacteria growing on them, to be delivered deeper to the dermis absent a sensation to the utilizer, also the projections could have a tissue permeabablizing fluid on them like a phospholipid (liposomes are about four times more effective at some kinds of tissue transport, and a kind of liposome called a phytosome is hundreds of times more effective at transport), it is remotely possible that an anticoagulant, something like DMSO, dermatocyte transport channel activating chemicals like peptides or proteins on the outside of the liposome that cause active transport, possibly transcytosis, of the bacteria through the dermis to living gene therapy functional dermatocytes, capillary epithelia, and the circulatory

system to occur (although the bacteria could emit CRISPR/cas9 containing single or double stranded DNA or RNA viruses continuously while physically thriving), so that is 300 (sugar divot makers) times 1000 (transport channel proteins or peptides) times 2 (anticoagulants) times four (DMSO) times 14 (Na PCA causes moist contact surface fourteen times longer) times 2 (the paper circle has anticoagulants to make the contact area particularly aqueous and transmissive, once the bacteria are there they, at non gene drive areas of the bacterial genome, produce minute amounts of harmless coagulants at each successful mitosis to cause 1/3-1/14 the fluid flow near the growing bacterial colony, reducing immune response to the bacteria 1/3 to 1/14, then 4 times from harmless to tissue, bacterial hyperproduction of enzymes

that if applied separately to the skin, would like youthification chemical peels, actually cause enhanced skin appearance, these cause four times the nutrients to be produced from an appearance beneficial, harmless to regrowing tissue turning of dermatocytes into bacterial food; four times from tissue seeking bacteria; It is possible that the bacteria, like proteus, could actively swim towards the dermatocytes and seek spaces between cytes to permeate and seek depth to multiply. Compared with bacteria on the skin, these bacteria at this system (300 times 1000 times 2 times 14 times 2 times 3 times 4, 201 million times more effective at doing gene therapy; it could be possible to multiply this 201 million with three more powers of two to make the bacteria 1.6 billion times more gene drive vector

effective. The combination of 9600 DPI printed circuit electroporation (7 times), DMSO (8 times), and immunotransparent gene therapy bacteria (4 times) causes the 201 million number to go to about 45 billion multiples greater colonization ability than bacteria just placed on the skin; inkjet printed Electroporation geometries and circuits: I think at inkjet printing of 9600 DPI or higher that it is possible to print electrode metals, dry yet hygroscopic electrolytes and conduction pathways, simple circuits could be printed like dozens or hundreds of arrays of dozens of Mg Ga Zn Ag metal dot patterns at 9600 DPI, and hundreds or even thousands of separate, sequentially activated instances, that are linked together to make higher voltages, and to put those higher voltages near other areas of 9600 DPI

printed material, like bacteria at gel, membrane transport chemicals (proteins, peptides, chemicals), possibly even single or double stranded DNA or RNA viruses, or even capsid viruses to cause 7 times higher migration through and permeability at tissue; I read online that electroporation with DMSO after that caused 8 times greater transfection, so DMSO at the paper circle with the elecroporation could have another 8 times multiplier; Another thing that could heighten gene therapy transmissivity at a 3 mm paper circle: The bacteria as well as single or double stranded DNA or RNA viruses with the CRISPR/cas9 could be engineered to be immunotransparent (immunoneutral surface), with the body’s first immune response at 20-40 days from first appearing at the circulatory system;

Notably, it could be possible to do a bacterial gene therapy, or all synthesized gene gene therapy with just sequenced, or mass produced at organisms, but outside of organism nucleotide chemicals, micro sugar probe inoculators, 9600 DPI printed electroporation paper circuits on a 3 mm circle, DMSO (or a more optimal chemical), flavor and color user preferrable enzyme actions on chemicals that determine the actual gene therapy installed, also the membrane transport proteins, peptides, or chemicals linked to the actual CRISPR/cas9 genes to bring the gene therapy to the cytes, also, it is possible that nuclear envelope transport/focus peptides I read about could be placed at CRISPR/cas9 assemblages to cause a power of two or even orders of magnitude greater

genetic insertion, successful translation, transcription, and propagation from nuclear transport; One reference says 70% electroporation transfection efficiency when also treated with DMSO, https://www.cell.com/molecular-therapy-family/molecular-therapy/pdf/S1525-0016%2816%2936452-8.pdf

If it is possible to inkjet print, at manufacturing quantities, a 7 to 14 layer of ink/electricity source/reagent/bacteria (or other CRISPR/cas9 source) at a 8.5 times 11 piece of paper for $11, then 71.9 3 mm circles times  93.1 circles is 6696 3 mm gene therapy flavor and color user experience voluntary gene therapy dose applications; notably this is 608 apllications per $1, or .164 cents per dose, or about 6 doses per cent.

It is also possible soaking the paper in 3 of the ingredients, and just printing the electroporation circuits, biochemicals, DMSO (or more effective duoalkane sulphoxide), actual gene sequences, bacteria, single or doube stranded DNA or RNA viruses, the polymer layer that causes deliquescent (autogooey) liquid layer to be at the dermis side, and the immunocolorizing material that lets people know when the gene therapy is successful;

How to make the sugar based cytomaterial inserting probes:  These sugar linear probe things are published as functional at immunization, so they can reach through the dermis to the circulatory system to do immunoactivities, a few technologies to make these could be a

mm or less deep sugar 9600 DPI print homogenous surface, then have lasers engrave the sugar layer to make various amounts (millions? thousands?)  of probe/insertion items per 3 mm paper circle; another technology to make the sugar probes/insertion things, is to just spray coat the paper with microparticulate sugar probe insertion shapes, and measure the actual effectiveness of the actual percentage of right side up, high angle sugar probes that spontaneously occur.  It is possible that a technology that causes an order of magnitude greater transfection efficiency could make a 40-70% right side up sugar probe gene therapy transfection paper circle have the transfection effectiveness of a 99th percentile right side up sugar probe array;  One possibility for another power of two or even order of

magnitude of transfection efficiency is to have the sugar probes have materials in them to be electrically conductive (calcium ions are published as having utility at gene transfer), this could bring the electroporation voltage effect to the dermatocytes at depth, likely near the endothelial capillaries (where I perceive sugar probe immunzation geometry sizes might reach), another possibility if the sugar probes are laser engraved is to have them have linear channels on the sides that cause the transfection material to flow to the tip of the sugar probe, also I read about superhydrophilic microsurfaces, they favor liquid coatings, and look sort of like troughs; bulk mass production of liquid transport geometries at sugar probes: putting linear grooves at the sugar probes might also work at mass produced sugar probes, with the

nonspecific application angle as a spray, perhaps the sugar probes when manufactured and previous to placement at the paper circles, could be sprayed on one side with a surface tension reducing agent or some other thing that causes liquids to like flowing a particular direction;

The bacteria would also produce beneficial wellness, healthspan, longevity youthification chemicals even at the non CRISPR/cas9 part of the bacterial genome; At mice and humans, the measured longevity wellness and healthspan of the bacteria would be beneficial even preceding the highly beneficial voluntary gene therapy part;

As the bacteria’s proteolytic nutrient producing enzymes are also the enzymes that make youthification

chemical peels functional administration can be at any body location, puffiness of a less than 1 cm area (1 ml tissue transfected/ bacterial colonized continuous output CRISPR/cas9 gene therapy vector) could be an engineering standard; the bellybutton could be the least noticeable, and perhaps 90th percentile or higher of being least probed with fingers, the bellybutton could be among the 90th percentile at user adherence, is completely sensationless, does not cause visible change,  has laser addressibility if persons, that is humans, that is members of groups of people, that is homo sapiens would like to laser modify the gene therapy process, notably some varieties of gene therapy are published that are responsive to light, so the 1/6th of 1 cent gene therapy technology is

affordable and has further reach, a laser adjustable version is also possible.

Also, to verify the gene therapy has been installed, the bacteria could produce a chemical that causes an aesthetically pleasant color change at the paper circle (similar to color antibody diagnostics), the paper circle could change the visual pattern of the aesthetically pleasing color when the gene therapy had progressed beyond the bacterial vector and was being produced at the user, person, human, or application’s genome

Think of a way or cause for people to distribute something that is less than 1/10,000 of a $

Longevity technology: a new kind of autophagy could be linked to

longevity, healthspan, and wellness, if it is functional: Noting the idea that cytoplasm might have nonorganelle enzymes floating around, catalyzing things, possibly even comminuting or nonactivating some cytochemicals: These enzymes, outside the lysosome remind me of autophagy, autophagy is linked to cytorefreshment, longevity, and wellness, it could be that the genetics of having more cytoplasm enzymes outside of organelles do something like an alternate version of autophagy, refreshing and recycling physiostructures and chemicals, so looking at a variety of mammals, notably things like multicentury lifespan whales, beavers, naked mole rats, bats, tortoises, and parrots and 400 year lifespan or longer clams, kings holly, and creosote (reminded of mitochondrial apoptosis) any cytoplasm enzymes, notably

proteolytic or membraneolytic, outside of organelles (like lysosome) could be quantified at mice as to longevity wellness and healthspan effects, and if beneficial made into gene therapy, drugs, or germline enhancement or optimization at humans;

Noting autophagy is linked to longevity, wellness and healthspan, and I might have read that AMPK heightens autophagy, it could be possible to engineer larger amounts of autophagy from 1) cytoterminating chemicals, proteins or peptides as drugs (possibly kind of senolytic like), also as periodically automatically activated gene therapy; an accumulation of physiologically beneficial peptides, like AEDG heightening with each sleep occurence, could, when they accumulate to a particular amount,

cause the gene therapy modified tissue to produce a new circulating amount of the new autophagy chemical, causing fresh autophagy and renewal at the living human; these likely would benefit from localization to create beneficial differences in concentration and action at different cytes and tissues;

Along with heightening cytoplasmic autophagy like effect enzymes, periodic production of autophagy as algorithmically activated with a completely beneficial physiochemical that accumulates (epithalon, thymosin, likely a variety of things, possibly even beneficially heightened circulating omega 3 DHA from accumulation of DHA from endogenous production), there is also periodic, quantitatively measured as beneficial to longevity, wellness, and

healthspan, triggering of mitochondria to zap cytes, causing leukocytes to absorb them.

New to me autophagy longevity technologies: Another possibility is a periodic genetic activation of the production of a non-autoimmune activating production of antigens at the surface of cytes, possibly those at the 40th percentile or less of cyte and tissue youthfulness, where the percentile is an experimentally quantified causative function at wellness and healthspan; this could possibly be quantified with mRNA transcript production's deviation from a beneficial range (reminds me of engineering tolerance, the 2nd standard deviation at the non-preferred side of the distribution) Periodic activation of the beneficial new form of autophagy could be

linked to the accumulation of a physiologically beneficial chemical (epithalon, thymosin, omega 3 DHA);

New to me autophagy with high cytotype localization technology: I perceive I read about where two different receptor proteins, when both activated, caused a cyte to be exposed to a chemotherapy drug, causing fewer well cytes to be dosed with the chemotherapy; Responding to things like: At cytes that are at less than 30th percentile of wellness, longevity and healthspan heightening physiology, the translation/transcription protein generators receive instructions to make notably larger amounts of one normal type, but comparatively tissue and cyte unusual chemical, protein, or peptide transport channel, perhaps something that occurs less than

1/400th of a cytes’ external receptors or transport channels, and at perhaps less than 1 per 200 different cytotypes and tissues, it then becomes 1/20th to 1/40th of the proportion of the cytes external transport channels and receptors enumerated amount, (twenty or ten times as populous as previously), and then an transport channel optimized autophagy causing protein, peptide, or genetic effect causes autophagy at that cyte; The concentration of the autophagy causer is 40 times greater at the 30th percentile nonwell cytes than at well, wellness, longevity and healthspan functionally active cytes;
Technologically it seems possible that autophagy could be tuned to to be activated when the transport protein heightened autophagy causer is above 30 times that at an unaffected cyte;

As a another supporting technology, it is possible a protein, peptide, or peptide effluxing transporter could be part of membrane accumulating cytotransport duo; at a well, longevity, wellness, and healthspan support heightening, functional cyte the transport and efflux of a particular protein, peptide or chemical from the duo, which could be spontaneously occuring at a nonmodified organism or human, would be about the same amount, they would omit accumulating the transported protein, peptide, or chemical at the cytoplasm; that would cause any autophagy activating chemicals, proteins, peptides, or gene products, to pass through well cytes above the 30th percentile causing a minimal amount at the cytoplasm of the 30th percentile of higher cyte; When the

measure of the longevity functionality, wellness, and healthspan of an unwell cyte occurred it would cause the unwell cyte to make large numbers of the harmless chemical cytotransport structure, causing it to be 40 times more prevalent at the unwell cyte; natural endogenous circulation of things that that particular transport protein transports, would reach 40 times the usual amount, causing a gene at the cyte to make an autophagy causing molecule endogenous to they cyte; another technology is to have the autophagy causing protein, peptide, or chemical that is linked to a 40 times usual amount transport protein moeity for hieghtened transport to the 1th to 30th percentile cytes, be produced at a different area of the body, perhaps from just a few gram, or even one gram area of gene therapy;

Technologies that could discern longevity, wellness, healthspan contributive and supportive cytes above the 20th percentile: mRNA, possibly gene therapy that caused presence of nonbeneficial mRNA, cytochemicals, proteins, or peptides, to cause

**Normalization algorithms create higher and higher longevity, wellness, and healthspan physiochemistry,** it is possible that technologies that cause the least (0-20th percentile) longevity, wellness, and healthspan supporting cytes to be quantified as they relate to the to other cytes at the body, to be as a relation to all the cytes at the body continuously or periodically, would cause double digit % increase in baseline longevity, wellness, and

healthspan annually, this could physiochemically contribute to a percentage of longevity increase, and noting the continuous improvement of 20% more longevity, wellness, and healthspan cytes annually is likely larger than an annual accumulation of nonwell cytes, that like actuarial escape velocity, things move towards wellness, longevity, and healthspan faster than they wear out;  The effect of multiple 20th percentile autophagy events causes the after autophagy organism to be accumulate towards what would previously have been 90th percentile or higher cyte function as to longevity, wellness, and healthspan physiochemistry; that similarity to actuarial escape velocity, which I have also read is called longevity escape velocity, is alogrithmically related to making each iteration of cytes that support longevity, wellness, and

healthspan as the new computational basis for the percentiles.  A technology I read about, which might be called gene switches, makes things like AND and OR as well as other logic forms out of simultaneous gene modification effects;  The technological algorithm that supports the heightening of each iteration of 20th percentile or less’ autophagy to be based on a new foundation could be based on things like: gene therapy at the entire body causes harmless unique peptides or proteins to be produced, which then utilize mechanisms that are usual to move to the exterior cytomembrane of the cyte they are produced at, This labels each cyte with a non immunoreactive cytosurface diagnostic of what it is doing and making, it is possible the diagnostic proteins that make their way to the cytosurface are actually

beneficial, noting the cyte is still alive, or also possibly beneficial to neighbor cytes, the (0-20th percentile) producers of just the completely beneficial interleukins, possibly some onconeutral neutral growth protein like BDNF, or if immunotransparency and absence of immunoreaction of any kind is beneficial, perhaps slight variations on water transport proteins (aquaporins), where variations from the usual protein amino acid sequence would let diagnostic things that cause the 40 times greater amount of transport channels to cause beneficial autophagy find and have effects on cytes at less than the 20th percentile; Gene logic could also just have quantifiable things effect logic, to cause the production of mRNA that makes the 40 times higher amount of autophagy transport channels at the cytomembrane; it is also possible that

gene logic can just directly make autophagy functional effects directly at any cyte where the gene logic notes 0-20th percentile longevity, wellness, and helthspan physiochemistry;

also possibly periodic wellness chemical accumulation (epithalon, thymosin, omega 3 DHA) that activates the production of “make transport channels” at the unwell cytes;

Also possible is the unwell 20th perctile making 40 times more transport channels, and then a human, person, a member of a group of people, that is a homo sapiens, takes a drug to cause the autophagy, much more beneficial is an automated, periodic, automatic process, which could technologically

be based around a one gram or less area of gene therapy that emits things that diagnose, modify and cause autophagy at cytes at the (0-20th percentile) of longevity, wellness, and healthspan, noting the continuously new distribution’s new foundation; Notably though, there is also the technology of a multihundred year longevity depot injection that just causes autophagy anywhere a group of antibodies (I perceive I read about fewer AMU versions of antibodies) note some unusual distribution of surface characteristics (proteins), also I think I read about antibodies that can glom to receptors to make them stay active, go less active, or just be neutrally at the cyte, this might function at cytotransport channels as well, possibly antibodies glomming unwell cytes

Gene logic

possible that without antibodies, this would cause autophagy at virus inected cytes from their being at 30th percentile or less of wellness quantifications, the incidental antiviral effect could be beneficial to both the person, and even possibly reduce the amount of viruses circulating at the population. The 30th percentile of wellness autophagy technology could be a nonimmunosystem new to me approach that kind of incidentally removes virus infected, oncocyte, and even possibly, fiberous nonutility tissue, which might be replaced with weller cytes. It is kind of like a new to me, multipurpose, new (30th percentile quantified effect at any nonoptimality) kind of senolytic, with different criteria than various intracyte deleterious products like interleukins;

the versionbs of these technologies or others that create longevity, wellness, and healthspan beneficial new versions of autophagyor germline enhancement or optimization

Longevity technology: an antiglycation mechanism could be found at some animals then tested at mice anfd humans to see if it increased longevity, healthspan, and wellness, also, gene variations at humans like SNPs could be correlated with wellness and absence of or reduced glycation at humans, and then causality measured with mouse studies to find beneficial genes for human gene enhancement or also optimization; notably though I perceive plants also do the nonpreferred glycation of proteins, so

anything at plants that is produced at cytes that reduces glycation could be tested at the mammalian genome to find out if it benefits longevity, wellness, and healthspan, notably the 40,000 year old King’s holly, the 10,000 year old creosote bush, and the 4k year old conifer might each have a different plant genetics of antiglycation that benefits their longevity that could be tested at mice and humans.

When a person gets gene therapy, they might like having a way to utilize their previous genome at some or even all their cytes: backup with gene therapy: crispr/cas9 appends the new genome to the previous genome, puts a start codon (or start codon group) imaginably at a sticks-out circly pouf on the nucleotide double lane topology, the body ignores the first,

previous, genome, which might even have some stop codons crispr/cas9ed into it at easily recognized locations (sort of like restriction enzymes say “thing here” perhaps stop codons could be placed at the previous genome anytime a CCCCC occured, so if editing it out it would be near errorless to utilize the previous genome, if the utilizer felt like it.

I have not read about any siRNA longevity molecules, It is possible these are possible, and that siRNA that heighten AMPK and decrease mTOR (or another 60% greater mouse longevity mTOR drug, that works on just mTOR1 rather than mTOR1 and mTOR2), siRNA might be even better at reaching the CNS through the blood brain barrier as their AMU is less than some other nucleotides

I perveive there might be a million or more actin lanes per cyte, at 70 trillion cytes, that could be like a math iteration structure with a really large number of math areas to model, algorithmize, and generate, something like interpretations about things as compared with, and possibly as a beneficial resource to the brain and CNS;  Like what if the 70 trillion cytes with actin paths simulated various effects of various possible things, and communicated the modelling results with a one thing one meaning language;

um, I perceive how DNA per cyte has lots more data space, it is just that actin paths also have lots of functional movement, geometry, spatial accessibility…

It likely already exists, but is there a CRISPR/cas9 automatic gene sequence linker?  I perceive different lengths of DNA have different easiness of transfection like 3/4 a decade ago (2011), but the perception I have of of CRISPR/cas9 is that they have figured out how to make. transfer, and activate things with out about 20,000 genes with simultaneous high velocity, high accuracy, and high editing sucess (transfection); complementing that, perhaps at a variety of sizes, could be something that is effective at attaching one sequence to another, at a functional place and physical form, (imaginably, histonated, less histonated, a loopy part available because of a mitosis, translation as well as transcription event, meiosis, or some new thing that is new to me)

so, one approach is to find the easiest histones on earth;  some mammal has histones with really long, super editable, physical like-new preservationess above other mammalian histones, really available DNA; completely making a synthetic sequence of that, then making if even more genetic engineering friendly, then placing it at a variety of mammals, likely including humans, could benefit DNA transcript fidelity, DNA preservation, translation velocity at organisms, like humans, as well as heightening beneficial, functional, engineering friendly genetic editing, modification and genetic engineering;

Also, besides unlooping things, and actually I have no idea what they do, but I perceive DNA is unusually accessible during translation, mitosis,

meiosis, and possibly some kind of “make this” thing that something at the nucleus says, like imaginably, if something says “make ribosomes” perhaps hundreds of ribosome making DNA locations get sequentially availabilized rather than just like one, over and over again; so, it seems possible they have tried loading up a well human cyte with a numerous quantity of things to translate at DNA, so they could unspool a bunch of DNA, efficiently, and edit it;

Along with making like a big list of DNA access producing translation instructions, they might have some amazing thing like a DNA translation smoothified new to me histone that makes DNA completely available to editing (like crispr cas9 or more advanced) while being a place to have a lot of DNA stay linear, functional,

well, effective, and immediately ok to utilize without repairs; the smoothified histone could even be nifty at some ethynilization methylization optionalizing, gene modification now able to be unaffected from methylization and ethynilization molecular topology effect; a smoothified histone like an inspection and upgrade access area of an airplane;

Is there an artificial intelligence thing where if people, or AIs share the technology the sharers accumulate greater prosperity; it is possible AI APIs

Longevity technology: finding human gene variants that predict responsiveness to different longevity drugs would be beneficial. Rapamycin and a rapalog each are

published at 60% longevity increase, my perception is that that math functions describe a medianized response, so noting half of all persons are above median, perhaps a greater than 60% rapamycin response could be predicted, and a gene therapy or a coadministered gene product upregulating drug might be able to cause a 99th percentile rapamycin response.

Squiggles developed with AI deep learning have been published that cause primate brains to produce more activity than views of faces and nature, it is possible that new squiggles developed with deep learning AI could cause greater amounts of response than the beauty responding areas of the human brain, and that when humans view these squiggles people describe them as

attractive, appealing, and beautiful. I am not aware of research on deep AI generated squiggles that are beauty experieince activating above that of nature and human faces and form that are three dimesnional or that vary gradually. Among many beneficial uses of these squiggles could be decorating architecture, decorating energy producing utility plants (among them wind, photovoltaic, nuclear, chemical), hairstyles, and notably anything with above median utility and during the year 2019 less than median aesthetic impression; trash dumpsters, parking facilities, some public transit, medical appliances, anything on a list of survey generated “could look better” things at public and private spaces.

It is possible that things that are already aesthetically beneficial like

plants, landscapes, nature, aesthetically appealing humans, could have versions and variations of deep AI developed beauty squiggles, and that actual spaces could be quantified as to their beauty response as well as images duplicated.  Also, automated mechanisms or also robots that clean and arrange dwelling spaces could arrange items that humans view and utilize to be simultaneously highly available and, with beauty squiggle technology, arranged at ways that cause higher subjective well being increasing beauty response than the person doing their own arranging. People could of course do their own arranging, they might more often appreciate deep AI guided arrangeements of things.

Aesthetically mild to beneficial things like computer interfaces and printed

text, could generate a beauty response while being combined with other deep AI developed squiggles that simultaneously increase comprehension and retention to create beautiful and cognitively enhanced interfaces and text; I favor a computer interface and text interface that causes heightened sense of well being (the psychometric: subjective well being increase from experiencing beauty), the “nice space” architecture effect, the “startlingly gorgeous” art object response, and even the human reponse to human female beauty response at persons with any form of human sex chromosomes occuring at 98% or more of people;

There are no top of page results on a search of “chemical vapor deposition metallurgy” so these are some chemical vapor deposition metallurgy

technologies.  I read that 3 nanometer silicon features are produced at integrated circuit technology, noting that arrays of atoms can have much more than an anisotropy or two at (25 atoms per feature, one to 20something billion features per IC, ) a trillion deposited atoms, that suggests that rather than a 3 nanometer feature size a 1 nanometer atom group feature size could be produced, and that the dots could be customizably amorphous, crystalline, variations of crystalline or other forms.

rather than an integrated circuit phototemplate it is possible a UV laser could produce a regular array of dots or shapes at a photoresist with diffraction grating technology, switching between a few, or even a few hundred different atom location

preferentialization areas could produce a wide range of material characteristics;

thoughts on the size of chemical vapor deposition metallurgy part sizes: MEMs technology could also be a guide, with thickest chemical vapor deposition metallurgy being some higher of power of two than the 24 hour thickest MEMs object production cycle, it could be higher, if manufacturing time equivalence is considered (a company orders parts for delivery every month, giving as much as 1 month photolithography growth or possibly MEMs thickness build up), if something like UV lasers with a diffraction grating can be adapted to modify the shape of a growing single crystal of tungsten, like those used at some airplane turbines, then that could be a metallurgical

chemical vapor deposition object size guide (although perhaps not, as I think they might pull those out of a melt)

Other ways to make features of less than 1 nanometer:  It is possible that one photon, even at one frequency, from a laser, could have variable absorption likeliness based on grouping and entangling (linking) photon spins.  At New Scientist magazine I read about a quantum camera, where a beam of quantum entangled photons met a figurine, and the other group of photons the first photons were entangled (linked) with made an imnage on a camera chip, the shape of the figurine caused the figurine to be imaged on the chip from varied photon energy availability based on photon spin, there was an absence of an optical path between figurine and camera chip;  Notably,

large numbers (thousands) of photons have been quantum entangled together, and it is possible that adjusting the spin effects on each of the 1000 photons separately could produce 1000 gradations of either absorbability at the figurine or electrical charge effect at the imaging chip.  The same technology with 16 quantum entangled photons making the chemical vapor deposition metallurgy optical guide could have 256 levels of possible charge variation and atom attraction/deposition/enarrayment, or also likeliness of causing a deposition; so although the physics seems iffy to me, there might be a locational effect beyond light wavelength, or at least an automatic 16 bit halftone effect, possibly per each 1 nanometer sized dot, possible.

I read about the kind of thing that might be a new metallurgical effect at chemical vapor deposition metallurgy, https://news.wisc.edu/bending-the-rules-a-revolutionary-new-way-for-metals-to-be-malleable/ a new kind of bendability based on amorphous shear bands,

Isotope effect technology that benefits integrated circuit fabrication technologies, I read that, “The whole wafer is then subjected to UV radiation, allowing the pattern mask to be transferred to the organic layer. The radiation either strengthens the photoresist or weakens it. The uncovered oxide on the exposed photoresist is removed using Hydrochloric acid. The remaining photoresist is removed using hot Sulphuric acid and the resultant is an oxide pattern on the substrate, which

is used as a mask.”  Noting HCl and H2SO4 are used at making integrated circuits, it is possible that making HCl that has only 34 amu CL or 35 AMU Cl, or just one of what I think might be 8 different stable Sulfur isotopes could change etch characteristics and perhaps one of these 9 variations has quantifiable benefit to making better integrated circuits and MEMs things; I do not know why deuterated, slower moving etchants would be more functional, although they might be similar to etching at a lower temperature.

a CVD gas that is like 1/100 some other gas, where the gas molecule is big (10 or 20 timess more AMU), does thee heterogenous collision regime cause different renyolds numbers swirliness to occur?  Then you could get different rates of sponatanbeous

mixing, and possibly nudge up to reaction velocity at a distribution, or a different shape of lump at a normal distribution to have a different proprotion of mor elikely to crystallize cooler lumps as a fraction of the whole; that means gas blends could produce different rates of crystallization from something like chemical vapor deposition at semiconductor process technology

similar I have heard nucleation sites cause crystals to grow, and that more nucleation sites can cause cause crystals to grow more rapidly while still being crystalline
do different isotopes make for different nucleation site energies (Hg UV light emissions spectra difference, so might be different

nucleation sites: things like SiCl4 gas

might notice more nucleation sites if some of the things thiey were crystallizing on had more nucleation sites, nucleation sites that might be compatible with semiconductor process technology CVD coulkd be like 1/1000 part SICl3F or SiCl2F2 CVD gases, when these were right at the wafer surfaces they might make siCl4 right next to them extra interested in crystallization while having harmless SI deposition if the SiCl3F reacts with the wafer itself.

Customized plasmonics (electron hole pair location and geometry engineering) could cause more, better, optimized production of nucleation sites at a growing semiconductor (or MEMS) wafer; beaming things at the wafer that cause plasmonics geometries at its surface could do this, beneath or side

of wafer solitons, dissipative solitons,

mass quantum spin observations (like planar regions of entire spin polarized thing resolvability resolution) could, like the quantum camera described at New scientist, cause entire surfaces to have a micropatterned electric charge on them, that micropatterened electric charge could be used to produce nucleation sites to physically patternize crystal growth at the planar semiconductor wafer surface, as well as create the possibility of customized engineered plasmonic geometries right at the wafer surface which could be used to cause more rapid deposition of CVD gas constituents, rapidifying semiconductor process manufacturing, noting that doubling this velocity could cause the number of semiconductors a fab produces to

double, heightening productivity, profitability, and the variety of different kinds of semiconductors that can be produced; As an actual technology, something like a 300 mm wafer with a light source, where the light source, is divided into two quantum entangled (linked) beams, or actually planes, basically planar arrays of light, and one of the beams, that is planar arrays of light, travels to a quantum camera light sensor array that is numerous powers of two higher resolution that the feature size of the features being made at the wafer having its semiconductor features produced, like a (billion times a billion feature, or 10 billion feature times 10 billion feature ) quintillion (10^18) or larger number of light sensors per 300 mm wafer chip, then whenever one of the photons meets the surface of the wafer its electrical charge modifying

ability depends on if the photon at the quintillion feature chip has had its spin determined with light detection events, Note there is something that is new to me at the engineering processes, the photon meeting the feature could be doing numerous different things:  it could be making a nucleation site, causing growth, it could be causing some kind of mathematically meaningful spin variant effect, fractional charge, which then effects atomic bond formation (crystal growth), it could be causing a moment of reduced reactivity, causing, relatively, other things near it to be growing higher faster, The mathematically meaningful fractional charge variation, Note that just one photon doing something this could be an accumulative number of spin-effect pulses build up to one entire atoms change (crystal deposition, crystal

subratacted) amount, (what if it was a few hundred photon spin observation moments to do each atom attaching to a crystal, and a over a quadrillion (LED laser ordinary) light pulses per second but perhaps not two atoms amount, so actual amounts of atom gowth at the crystal growth is directable; the adjustable growth rate for finer, greater repeatability of features of action at this makes engineerable feature fineness, homogeneity of crystallization)Noting the entire wafer at the semiconductor fab being manufactured:  then if the kind of custom made, quintillion feature (billion feature rows, billion feature columns) photonic spin detector chip is doing this quantum camera thing at a couple of orders of magnitude higher physical resolution that than the quadrillion (or higher) actual feature chip being produced

then that is a new to me semiconductor feature producing wafer technology; feature size, fineness, repeatability, possibly composition (sort of liked doped-ness where beyond the stoichiometry of the chemical vapor deposition gas causing the doping variety of the layer or feature the adjustability of photon spin at several powers of two higher spatial resolution, quadrillions of times per second from the quantum camera causes something like crystal atom at atom growth with a halftone-dot like predictability of dopant spatial geometry, homegenity, or possibly even a new kind of feature, depth (like say you put a 40% halftone screen dopant layer of atoms on a 20% dopant layer, and you might even be able to use the spin effects to change dopant element ratio like 40:Ge:40:Ga:10N:10:P to 90Ga:10:N

at a cumulative layer thickness, even at a particular line width)

it could also be a quintillion feature photon spin modifying photon sensing chip, doing the quantum camera thing at semiconductor process manufacture production of semiconductors doing quadrillions of photon cycles of spin observation responses per second could actually write features at a quintillion feature chip

Notably though, can you actually aim light at a semiconductor wafer while making it?  Well, the photolithography template is a light aiming thing, and there is likely published material on using a lasers to do things on chip features right on the wafer while it is being manufactured, so this brings up, can you illuminate a wafer, then fill

the chamber with CVD gas, then have the gas react with the wafers surface based ont he light you just illuminated it with;  some spin polarized gases stay spin polarized for 15 minutes so that is supportive, At some wavelengths, the pure crystals of wafers could be treated as lenses for lasers that shine through to the wafer treatment surface from underneath, at some geometries of shining a laser, or a planar array of spin polarized light (a thing that is different than a banch of parallel lasers, or also different, but possibly producible with a diffration grating and a laser making an array of points), having the light illuminate the wafer obliquely from the side could be done at less than a millimeter above the surface, minimizing beamspread from the CVD gas having a refractive index; also possible is that noting CVD gas has a refractive index, at some

applications, different concentrations of CVD gas could be used that have different refractive indexes, so if crystal growth velocity is adjustable with photonic and spin photonic, and reynolds number gas swirl technology that vary surface charge as well as actual CVD gas concentration then it might be possible to grow semiconductors just as well even if CVD gas concentration varies across an order of magnitude, giving an order of magnitude greater transparency and light spatial, intensity, coherence, and other attribute nondivergence

I do not know, but it is possible that if you spin polarize something its emissions and absorption spectra are different so if you shine two lights at a material, one that changes the spin of the atoms at the material, and the other that gives the material a

photoelectric effect charge boost that then causes chemical reactivity, that you can change the kinds of things the material will react with, when it will react, if that is

It might be possible to do a raster or parallel version of quantum camera spin customization of spatial things at making semiconductors as well, where a mere billion feature quantum camera spin detector and actualizing photosensor chip, used repeatedly as scanned, at a 10 billion times ten billion feature 300 mm wafer with the features being built on it is used, possibly with photonic spin observations being made quintillions of times a second (noting picosecond lasers exist, and some kind of picohertz elecronics exist to drive them)

Making quantum cameras with 100 picometer resolution or finer causes finer feature size at the actual size of the semiconductor device the fab is making to experience spatial spin modifications (quantum camera), geometry, and possibly plasmonic feature stimulation at the semiconductor crystal surface five powers of two eentsier than than the features being produced, or optimally, makes creating eentsier feature sizes possible; I read 3 nanometer semiconductor size feature are being scaled up, 1 nannometers is this possible now noting 1 nanometer technology could be used if you are willing to make a few hundred and keep some, or possibly keep a couple at 300 picometer technology; you could make 1 nanometer or 300 picometer feature sized photodetectors at a 300 nm wafer,

with three or 8 times the resolution of a 3nm process wafer, or imaginably, something like very custom 100 picometer feature UV laser process produced chip, where you make a few thousand and get one you can use, but its ability to resolve and instantiate photon spin polarization and other observation things (3, 800, 400, 200, 100 picometer) five powers of two tinier than a 3 nanometer process chip causes even greater tininess, feature finess, size, shape making, and repeatability at the observed integrated circuit being made at the fab; not only are tinier features possible, but faster production of the 3 nanometer size feature semicodnuctors is also possible heightening fab productivity

There are UV emitting quantum dots, it is imaginable that these, perhaps

just from being made an order of magnitude different sized, at 300 picometer rather than 2.5 nanometer, could make higher wavelength radiation

It is possible that at light there is some kind of thing where if you know (measure or make) some things then you know, or tend to not know others. It is possible that  if you know something like spin (up/down), or polarization (linear/angle, circular, other) of light you might know more, or possibly less, about its wavelength. It might be possible to make a light emitter for semiconductor manufacturing (wavelenth feature size new technology) where perhaps you do not actually know where between UV and visible its wavelength is, but as a result of observing some other thing like spin, polarization,

evanescence presence or distance, source geometry/simultaneity thing (kind of like double slits possibly having a wavelength that is definably determinably at some range because if the two slits are wider apart than some number of wavelengths then the ~~~~ per nanometer are some particular size range, so if you use slits of some kind to look at white light photons you know nothing about, with some spacing of slit and see it then you are “certain” knowledge of- producing, at least some energy at an energy regime of a certain ~~~~~ size.  Notably, at something like the quantum camera, observing it at the light sensor might make it so energy of just that ~~~~ size has an actual amount of ergs at the other thing the quantum entangled (linked) photons are shining on; so instead of light going on a chip (camera sensor at

New sceintist, or described here as the actual wafer surface of a semiconductor being made) and a figurine, you put light on a chip and a thing (rather than a figurine) from made up of a bunch of slits, then you look at what comes from the bunch of slits, and that means that at the chip (camera or the thing being made at a fab) photons of that ~~~~ size and ergs are, at some quantity, being deposited; noting picosecond lasers exist, a person doing things to the surface of semiconductor, like one being manufactured, could do this slits make energy ~~~~~ size and ergs thing trillions of times per second, causing accumulative change from the energy change at a crystal being cumulatively deposited or even etched; the nifty thing is that you have illuminated the wafer you are making with wide spectrum white

illumination, and just immanentizing the part that is far enough at the far UV to make features that are tinier than 2019 light size and photolithography feature size, building up something billions or trillions of times per second, at what, side-observationally (without knowing the actual wavelength), have to be, really high frequency waves causes semiconductor features to be built up or etched out

Using a quintillion optical sensor wafer to cause spins to be defined, or undefined at another surface, notably the surface of semiconductor manufacturing process wafer being created, makes it so that the photons that reach the wafer being made are more chemically active, more electrically active, kept from causing charge, so making their neighbors

show up up more, or, notably are at a frequency blend which contains, at least, if not more, but at least, the frequency the quantum camera spin topology plane making thing can respond to, then these things can be used to make features at semiconductors, kind of like doing AND, OR, NOT, and possibly XOR of light doing thing at a feature sized spot on a quadrillion feature sized wafer being observed into varied surface charge topology with a quintiliion feature sized photodetecting quantum camera

Supersaturation causes more crystals to grow with less chronological moments, is there a feature size, fineness, regularity, and repeatability preserving way to supersaturate (more CVD gas right there at the wafer surface) a CVD atmosphere

right near a wafer, from causing atoms to be stimulated to bunch up, perhaps with solitons (like dissipative solitons), photons, some ambient, all wafer or just surface wave with less than 100 picometer wavelength, but nonspecific location (like illuminating, but not etching, a wafer with UV), perhaps at a chronological varying dose, like some picometer wavelength UV at 100 billion cycles per second to do 10 picometer bunch up layers at the wafer surface (lisening to a ruler wiggle, a 10 cm ruler might sound like acoustic 100 hz, so a 100 billionth of a meter wiggle might be a 10 picometer sized length wiggle, possibly as a standing wave, which could be beneficial as it stays at the preferred wafer location), the 100 billion cycle per second waves could actually be be beamed from beneath the wafer (or from the side), and some

wafer materials might even have findable bandpass layers that are extra transmissive of various wavelengths above 100 billion cycles per second; There are industrial process femtosecond lasers so making the waves is a known technology.

GSK: New kind of drug, but I do not know what it does:  Drugs, possibly novel ions, ionic few AMU organic chemicals, or even things like lopsided quantum dots with charge anisotropy, could cause beneficial protein or other molecule specific nucleation effects at cytes, and tissues, notably at a variety of body structures, wikipedia notes that actin tubules come from nucleation, “Energy consuming self-organising systems such as the microtubules in cells also show nucleation and growth.” So they could make a bunch of things that are likely

to cause nucleation, screen a library of thousands (or millions or billions) of them at a yeast or human tissue biochip, and see which if any any of them caused greater longevity, wellness, as well as healthspan, previously described is how if you genetically engineer yeast to make more green fluorescent protein then the longer it lives, then you can find the longest lived yeast at something like a big array of wells (a billion or more) on a microchip, where each well has a different chemical and yeast growth medium, and a camera looks at the whole array, and then finds the row and column with the brightest glowing (longest lived) yeast at it. 10 million cyte per second microfluidics flow cytometry is also published and that approach could also be used to screen a billion new nucleation drugs as to longevity, wellness, and

healthspan effects at a billion yeast in 100 seconds, or a trillion, to produce a high n P value, in 27.7 hours at one machine.  Also, lopsided quantum dots, stabilizing molecules (a little like, but perhaps quite different than antioxidants) few amu molecules, as well as things like eentsiest cyclodextrins, topological starches, and things like graphene toruses, and chelation molecules, could see the effect of reducing nucleation at biochip screened libraries on things like yeast and human tissue culture; notably wikipedia says amyloid blobs at alzheimers accumulate from nucleation, so it is possible there are a variety of nucleation reduction effects which could be beneficial at a variety of human body tissues; Interestingly, as to cryopreservation, novel nucleation producers, reducers, or customizers could benefit

cryopreservation of human bodies, freezable and thawable living organisims exist, and these may have numerous simultaneous nucleation, causing, reducing, or modulating chemicals besides comparatively macroquantity chemicals like trehalose at them that people could find, and quantify as to cryopreservation benefit.

semiconductor technology:  An Si atom is 110 picometers large, so if you can arrange them any way you like, then a bunch of Si atoms that are at the distal tip of a bunch of alkane like rods, to stick up and be relaibaly equispaced, sort of like the way phospholipid lipid layers have a ===C way of aligning as a

Picometer semiconductor technology: lipid ====C rod layer with distal

atom top side up, then lasers, quantum camera spin writing surface action or plasmonics, or reaction torus in the middle of lays on top of it graphene planar form, changes the C to an Si, Ge, Se, P, N, Al, or other semiconductor atom causes purposefully patterned 110-220 feature sized electron motioninging suface patterns on a thing, which has the same function as a semiconductor, notably as compared with a lipid ====c layer you could have silicon polymer, or possibly even boron polymer (boron polymerizes) rods with an atom at the tip, then you change the atom, to make the outer layer surface geometry; notably at he middle of the ======C or ====Si or ====Ge thing you could put other atoms to put stabilization rungs on it transversely, notably whether you removed a the top of a =====Rb, or

possibly a =====I, then put a rung atom or few AMU molecule, then put more === on it, or put a K======Ge or K=====Si (or a I=====Ga) on it, you make it so the rods could have sufficient rigidity to be nude sunbatyher at Santa barbara California preferred temperature stable, whith the topmost layer of atoms being patterned to do electrical circuits

Neurological plane nootropics: Imaginably a person could think of a nootropic as causing a person to think of things twice as often, one neurostimulant that does this while being highly mild at the organism is simply illuminating an area with twice as much light so that that the persons is able to distinguish twice as many things;  Notably at a person this occurs without thinking twice as fast,

and can be carried out during a usual duration of wakefulness withouth having much, if any, effect on duration of wakefulness and sleep periods; Also, doubling the number of things, like objects, or simplistically, words, at an area of text can radically change meaning, a kind of bulk-effect salient meaning, or a “if there’s lots of it that’s the idea I get about it” meaning,  That suggests that just like the retina is a kind of plane of neurons, something that causes heightened activity of another plane of neurons where the plane of neurons could actually be a physical structure, possibly an actual plane of neurons, like the outer surface of gyrii of frontal lobes, or even the actual plane of AMPA neurons, if there is one at some location of the brain, or if there is a plane of kind of chronologically identical neurons at the limbic system

then there is a muliple items of noticing and salience, with simulataneous emotiveness nootropic

Conceptually, if an amygdala could be a “notice it fast” nootropic plane, is there a different nootropic plane where if you notice it, stimulate it, or route data through it, unlike the amygdala, it is noticed as good, noticed as happy, a noticed as happy nootropic plane; noticed as pleasurable might be a nucleus accumbens plane nootropic.  It is possible some kind of fMRI or positron emission tomography thing could notice a retina-like plane of simultaneous neural response that is a plane of nootropic enjoyment, happiness, cognitive depth, idea form, “isness”  Then just as light only stimulates the retina nootropic plane, it is possible drug localization

technology could activate just that actual brain structure physical (likely even simultaneous, like the retina) nootplane, to up it across the board, causing a noot-plane themed cognitive thematization or realization typicality venue, like if you used dissipative solitons

One thing that might be like a plane of nootformness (kind of like a retina is sort of a nootropic plane) is flavor, I perceive I read that there are parts of the human CNS that do not have a blood brain barrier, and that some of these neurons directly direct the presence of chemicals at the circulatory system, and that some of the neurons activate gag reflex when they detect a get rid of it now chemical, get rid of it fast right away, without blood brain barrier filtration or multiplexed neural data from the

tongue; so the thing is, as a technology, are there any of these that feel good?  A yum! neuron circulatory fluid reaction?  Are any of these yums!  particularly reinforcing at behavioral psychology?  Do different species have different Yum! s?  Are there perhaps even different Yum!s that can be measured as having people like them but not actually change the amount of food a person voluntarily consumes?  Those could be BMI neutral ways to make food even more delicious.

ok, so: EEG waves:  notably people can pile up waves and do things with them on purpose, is it possible to do things like stack and soliton EEG waves to do things on purpose that feel certain ways or even have soliton like ability to propagate further through neural tissues.  Like if you

make solitons (EEG waves) at the frontal lobes somehow, do they propagate physically further to places like the nucleus accumbens where they do all new things, and at the nucleus accumbens, feel wonderful, at a simpler version can you node or antinode eeg waves like gamma, to put gamma waves at double height, going with the idea they might be beneficial, at the brain, or notably, at particular areas of the brain; notably I think have read that playing eeg waves back into a persons head from scalp electrodes makes it so they learn faster, or even replay the emotional state of the wave, and I even perceive I read that replaying eeg waves back to a persons scalp can cause twice the effectiveess as navigating a computer environement rapidly and functionally,

Writing about beneficial eeg modulation technologies I have mentioned gamma frequencies as beneficial frequently, making all the things I wrote have greater technology beneficialness I would say wherever it says gamma it could say, eeg frequencies that are notably beneficial, notably as played back at particular, possibly varied particular head electrode locations, so perhaps sequencing and head spatially arranging gamma with beta and theta, sort of turning a pie chart into a pie chart with different simultaneous or sequential proportions) and at particular electrode locations causes a particular benefit at a particular eeg modulation sequence program; I also mention that I think that playing EEGs back onto a persons head using electrodes could cause music to be twice as wonderful to experience or

more, an application like that might be a non gamma application, but a gamma enriched music experience with another frequency band could combine enhanced wonderfulness of music with the greater cognition and learning of gamma frequencies, and that such a combination of wonderfulness and cognition could be the kind of think where if a person listens to a person speaking tot hem as part of a school lecture then the combination could heighten the actual learning while making the “resoundingness” “thereness” of the lecture higher and more attended to simultaneously;  Also, the frequency bands named after letters could actually be immediately replaceable with new frequency and band meanings, effects and designations that arise from something like a deep learning AI classification, a

mathematical equation, and a rich dataset could create new meanings about specific frequencies, locations, and naturally occuring multifrequency, even multilocation structures that are more functional as technology that produces a particular beneficial intended benefit than just using some word like gamma

music feeling amplification (eeg modulation making music twice to ten times more wonderful) makes it a thing you would get besides headphones as a consumer getting things behavior

overear heaphones (Like an Apple product that makes music two to ten times more wonderful) that use EEG modulation to make music twice to ten times as awesome could be imitated at many manufacturers, and

versions made to work at any phone, or standalone, or like the gelatin capsule slide into hair version produced, valued and distributed

overear hadphones have many places of contact with the head, besides conductive polymers at the ear pads, a casual, put anywhere approach could cause 2,4 9 of the little conductive nubs on the band to touch the head, it could be that a knowledgeable person noting where these electrodes were at ( a traversal location on the mid upper head) could come up with specific beneficial eeg modulation sequences playable to those electrode contact points in particular

Learning from other people speaking amplification; use at school: it is possible that if eeg modulation can

make music twice to ten times as awesome then listening to another person talk, such as the lecture portion of school, could be twice as memorable, or twice as attended to; this also benefits persons with different attention span capabilities; school usage is another thing that causes larger numbers of people to utilize it it so it spreads its beneficial effects to larger numbers of people, more rapidly, voluntarily

electrical: nudges to an eeg might be as effective as continually replaying entire eeg waves, repeatedly nudge gamma waves into continuing, possibly even nudge if other waves are present to switch to gamma waves, if nudges work batteries could actually last 20 to 40 times longer

attractiveness producing: eeg

modulation that causes it so if a person glanced in a mirror they would think they looked more attractive, continuous with a an eeg modulation sequence program that causes greater benevolence and kindness and prosocial behavior, notably the prosocial behavior could be quantitatively measured as to causing the wearer to be actually perceived as more attractive, and I think quantitative measures of mutual interpersonal benefit could be found at particular eeg modulation sequences and programs.

lovingkindness, benevolence and kindness, cognitive enhancing, and prosocial communication (such that eeg modulation actualizes greater efficacy at employment, greater effective function of personal attractiveness, greater prosocial

readiness , form, and reflexes at conversation EEG modulation effects are produced

Along with the music wonderfulness twice to ten times improving eeg modulation program, an eeg modulation wave sequence that causes people to feel noticeably good (ahhh! I like that, felt immediately, while also causing benevolence, kindness, prosocial behavior, and white feeling and behavior) causes people to like using the eeg modulator, as overear headphones or other forms like like tuck in hair gelatin capsules, there is a behavioral psychology reinforcer experience to using the eeg modulator at some eeg modulation sequence (program) that causes people to actually do it and use it, even outside of music

eeeg sequences and modulations, and replayings of the persons own naturally produced, 99th percentile of beneficialness that cause people to be kinder to children and better at raising children are a program, people could just turn it on, and live it, while being around their children as well as others

Besides the over ear headphone version, notably a thing easy for people to associate and get, that makes music two to ten times more awesome, which because it also has other programs like lovingkindness, attractiveness, social and employment and child raising success, the other programs besides music cause people to value the use ofg eeg modulators, and people are thus willing to use non-headphone forms: a form could be something like a skinny gelatin capsule that people tuck into their

hair, that automatically cleft gloms some hair, and motionizes to be near the conductive skin area under the hair is another form, with better eeg electrode location functionality, possibly, than the electrode contact points of overear headphones; gelatin capsule eeg electrode location finders could have a 25 cent to $1 dollar store version:  conductive polymers at patterns on exterior, the cheapest rechargeable thing I have seen was a plastic toy with suface mount bright LEDs a battery, and a USB mini connector and a plastic saucer shape, so noting that, the gelatin capsules could have an eeg socket, and each gelatin capsule could lightly, softly, roundly, socket together in a line so that one usb connector could recharge three more more socketed together; I think piezoelectric p-lastics could actually cause fronds to furl together

to glom hair to avoid slipping off or out of place, and it is possible piezoelectric plastic fronds could motionize the gelatin capsule so that it travels to locations nearer the actual skin under the hair; there is also the possibility that the piezoelectric polymer fronds could could unfurl, or angle to reach out to the skin surface even if a few mm away at the hair;

notably a version, complementary to gelatin capsules under hair version or overear headphones version could be produced that has a camera with audio on it, and it notices what people are around, and who you are talking to, and where you are (dwelling, employment, school, recreation, even entertainment like computing, media, eating/restaurants, commuting (less risky driving, less perterbed more enjoyable driving), even possibly while

alseep (along with dream content quantitative measurement as being more beneficial and enjoyable at gamma frequencies, eeg sequences and programs that might be quantitatively measureable as causing better restedness, and possibly even physiologicial improvment could be played) then the camera and audio guided eeg programs could find optimal eeg programs and sequences for the people you are around and the things you are doing perhaps the thing might notice you are with a spouse and a stranger at a restaurant, but not with your children, or might notice you are with your children, playing together, outside, it could up (with spouse and stranger at restaurant: eeg program that quantitatively measured as casuing more spontaneous interjections into conversations, food appreciation eeg,

previously measured actual to the actual human spouse 99th percentile affection causing eeg), or at playing outdoors with the persons actual children, it could do eeg programs with more occurences of mutually enjoyable beneficial touch, spontaneous production of beneficial questions, (questions as prompts to the children making replies and the children enjoying the conversation even more) as well as possibly eeg programs that are quantitatively associated with perhaps twice as much strolling, also there might even be eeg modulations programs that cause various prosody of enjoybale emotion to the listener generation, eeg modulations that cause what other people perceive as emotionally nearifying, sweet conversation, even though the person is thinking of their own content and making thought of as

well as spontaneous content responses at conversation)

So, this brings up an EEG technology: I have seen EEG brain readers with just a few electrodes (2, 4 8?), so if you do nodal, antinodal, and soliton structures is it possible to do much more with 2, 4, 8 electrodes, or do 8 or 16 electrodes worth of activity with just 2 or 3 electrodes?  Also, at a really casual, just put it on your head, no-gel,  electrode hairpiece that has 16 or 32 electrodes, 4 or 8 of which might happen to actually make contact, and which might be about 1/2 a head near to the “preferred placement”, can you get a nodal, antinodal, soliton EEG activity, possibly with AI, deep learning, or software guidance that makes the “1/2 a head away, 1/4 or 1/8 the electrodes actually making contact”

EEG reading and feedback, nootropic, emotionally beneficial, benevolent computer brain interface, and possibly even, lay on a pillow while you sleep and do physiologically beneficially nonspecific to thought beneficial physiological things brain communicator functional technology

Also, noting the 1/2 a head away, a few out of 16 or 32 electrodes make contact EEG hair accessory, laser hat, very casual, at classrooms version (note gelatin capsule sized slipped under hair with piezoelectric contact and motion fronds version as well as overear headphones version) could heighten voluntary learning of students at classrooms, as well as heighten voluntary learning of persons, that is humans, that is people that is homo sapiens at office environements; also it is possible that

beneficially at babies and children, this technology causes emotional well being, nootropic effects, and could even rescue babies from harm, detecting any SIDS brain preactivity

Also, the 1/2 near the right place, a few of the electrodes contact hair piece might go well with laser activated, energized, and communicating adhesive eardots

Note: eeg modulation programs could be quantitatively measured as to their longitudinal effectiveness at causing benevolence, kindness, prosociality, interpersonal, family, and child communication and child raising, employment beneficial, promotion, earnings, employment satisfaction, reduction of vehicle non-optimal occurences, possibly physiological wellness, less illness, well restedness

from eeg modulation during sleep, and the amount of subjective well being, successfulness at using the new options found from greater openness to experience,  and beneficial treatment of others, get-up-and-go, optional conscientiousness, greater duration of enjoyability of the action during stick-to-it-iveness activities’ beneficial heightening and multiday, multimonth, multiyear sustained longitudinally quantified beneficialness of various EEG modulations programs, software, and physical technology objects (like measurement publication, and product benficialness heightening version iterations from finding out something like soliton nodal nudges at gelatin capsules with fronds are more effective, more often utilized than over ear headphones, have greater global utilization from 25 cent to $1

form factor, and that RF or RFID communication with phones or something like dwelling wifi is awesome, but that (noting scientific calculator with LCD display at dollar store for $1 technology) gelatin capsules with standalone eeg recording, 99th percentile of persons own cognition, feelings, motional, wellness, interpersonal interactions) interpretations and remodulations, along with library eeg modulation software produces 90% of the benefit that wifi phone rfid RF bluetooth internet versions produce, while internet versions really superoptimize eeg modulation programs that are beneficial to cognition, subjective well being, and at internet content production, content richness, and others response to the content produced, at a computing environment like an internet browser,

at a place of emplyment, or when a person like an engineer or a scientist using CAD or software or programming is actively using computing

Do cognitively unwell persons, like the mentally ill, or those with things like alzheimers, when part of their own brain waves, from just part of the surface area of their head, are played back to them, likely at a plurality of locations on their head,  experience greater mental wellness or cognitive capability; as a technology a mentally unwell person might still produce gamma EEG waves, just mostly at just next to say one temple, or near one part of their head, then playing that persons own gamma waves back to them, at their particular version of the actual gamma frequency (its a band, and they might have a specific

frequency at the gamma band) specific frequency, at a variety of greater number of brain electrode input locations, and brainwide, electrodedeliverywide rebroadcasting of that particular actual persons gamma wave modulations (kind of like the tune of gamma waves they play) to all around their head, cause beneficial, enjoyable, voluntarily repeated and used brainwave modulation that also causes them to be measured at psychological tests to be mentally weller, or noting things like alzheimers more cognitively capable, notably, as these are waves they already produce, they might be thematically with like a person being a person, even more like they already are, while voluntarily heightening their mental well being and ability;  kind of nifty to play and amplify your own version of gamma waves of EEG

also, among those that do do it, software could have them voluntarily experience various congitive styles g (intelligence) activation exercises, and emotions (videos, music, website content, like unique to the person: reply, comment or online response based social content) record the brain waves from when they are at their upper 90th percentile of even 99th percentile of personal g (intelligence) active utilization, capability, and finding the right answerness, as well as their 90th or 99th percentile of emotional subjective well being, benevolence, kindness, or beneficially, a combination of goodwill with conscientiousness and sustained carrying-out of action.  Then note those particular frequencies of actual EEG waves from the actual person at something like the gamma band, and

those particular head surface area locations to play the EEGs back to, noting the nodal, antinodal, as well as soliton EEG enhancement effects also available

Also, noting the very most causual, user-participation willing and utilized, about 1/2 a head away from the optimized location versions of EEG brain interfaces, where they make different versions, possibly some that tend to make people always think they look nicer,  and find one that that almost everybody, with casual lack of fuss, perhaps as easy as foam earplugs, piezoelectric frond gelatin capsule sized eeg modulators, as well as overear headphone versions

A well being, cognition, and emotion hightening EEG electrode brain communicator that is comfy,

effortless, affordable, autorighting, and autoconnecting, and autoupdates data readers without making RF fields: amazingly, something a little like a corduroy or piezoelectric polymer frond having skinny golf pencil to 14 to 20 mm long, 3-7 mm diameter tube, about the size of a gelatin capsule with a battery in it, could wiggle the corduroy on the outside, or move the piezoelectric fronds, to always nestle nearer to the skin under the head hair, while being completely different than array-of-candycanes and puffyfluff physical adhesives, and being completely different than clamps, have a kind of soft looks like a ribosome next to some hairs thing it does, so it omits slipping off could be a slip-on electrode with a good feeling slide onto your hair, omits falling off, can even without generating radiofrequency energy be read like an

RFID tag, 700 factorial data space, 300 reads per second MEMs like continuously microrepatterning thing like RFID tag so that the RFID reader, laser scanning of the thing from a distance with a multiplexed display surface, or have a ThZ frequency visible display (LCD like) change so that it is possible to have a Thz sensor actually see through the hair at a distance and scan the Thz display pattern.  It is possible some chemical variation on a 300 hz, LCD display with 1024 liquid crystal elements, where each of the LCD adressable dots is made from a ThZ modulating chemical like a bismuth metal atom at the liquid crystal molecule is a distance readable 300 Hz data source

RFID MEMs origami that changes its physical shape slightly to make RFID readable data space without any

actual RF broadcast from the object: It might be a big dataspace:  700 integer space factorial RFID that changes its RF responsiveness from MEMs at 700 factorial different data values it is possible that at 300 Hz (like LCD driver, and although there are a variety of RFID forms, changing the shape of an metal rish liquid crystal LCD blob could actually be an RFID object) this could communicate updates 300 times a second as well as have the RFID store some amount of previous snapshots of actual EEG output at the person, noting the factorial space, it is possible 700 factorial could represent multiple centuries of EEG data recorded at 300Hz

Some thing at phones where something has, more than a bluetooth ID, an instant shared automatic data

update database compartment, where anytime the thing is brought near the phone, its compartment identity data is appended with the new data. So rather than “synch” a smartwatch with a phone or computer, the mere presence of the smartwatch, health monitor, EEG recorder, data depot, like say a person has a data depot where not only is the video and audio and other data from the cameras on their body continually aggregated and concatenated, but the social norm automatic protocol is to have all the video, audio, and other data cameras around the person wherever they go upload their data to the person, that is human’s that is member of a group of people’s that is homo sapiens’ data depot, that data depot is automatically uploaded to the persons’ phone, computer, and the phones computers and data depots of

those that have configured their data depots, phones and computers to I’m nice configuration (a little like when other people make their wifi public, give to food banks, donate to strangers that ask for donations, or say things like “good to see you”; lots of people would automatically gather and store and make public data)  I think the storage per microgram will go up, at 2019 AD a terabyte of data is plausibly anywhere from less than 10 micrograms (data storage variant on DNA with a few thousand different nucleutides as rung options) to 100 mg (microSD card)

Nonsexy, but, genital sourced nootplanes that are beneficial

you think of a not